

PROCEEDINGS OF THE
INDIAN ACADEMY OF SCIENCES
(Mathematical Sciences)

VOLUME 91, JANUARY-DECEMBER 1982

INDEX

THE INDIAN ACADEMY OF SCIENCES
BANGALORE 560080

Proceedings of the Indian Academy of Sciences

Vol. 91, January–December 1982

CONTENTS (Mathematical Sciences)

Ramanujan and Dirichlet series with Euler products	<i>S S Rangachari</i>	1
Oberbeck convection through vertical porous stratum	<i>N Rudraiah, M Venkatachalappa and M S Malashetty</i>	17
Long waves in inviscid compressible atmosphere II	<i>P L Sachdev and V S Seshadri</i>	39
On minimizing the duration of transportation	<i>Satya Prakash</i>	53
Weyl's theorem and thin spectra	<i>Shanti Prasanna</i>	59
On the normality of the rings of Schubert varieties	<i>C Huneke and V Lakshmibai</i>	65
The fundamental group-scheme	<i>Madhav V Nori</i>	73
Couette flow of a non-homogeneous fluid	<i>K N Venkatasiva Murthy and K Ponnuraj</i>	123
Arithmetic lattices in semisimple groups	<i>M S Raghunathan</i>	133
Scattering of impulsive elastic waves by a fluid cylinder	<i>B K Rajhans and K M Agrawal</i>	139
The wall jet flow of a conducting gas over a permeable surface in the presence of a variable transverse magnetic field	<i>J L Bansal, M L Gupta and S S Tak</i>	155
On invariant convex cones in simple Lie algebras	<i>S Kumaresan and Akhil Ranjan</i>	167
Minimum error solutions of boundary layer equations	<i>Noor Afzal</i>	183
Complementary variational principles for Poiseuille flow of an Oldroyd fluid	<i>M A Gopalan</i>	195
Torsional wave propagation in a finite inhomogeneous cylindrical shell under time dependent shearing stress	<i>K Venkateswara Sarma</i>	201
Slow motion of a micropolar fluid through a porous sphere bounded by a solid sphere	<i>B S Bhatt</i>	211
Zero-free regions of derivatives of Riemann-Zeta function	<i>D P Verma and A Kaur</i>	217
Halphen Puiseux inequalities in the precessional motion of a rolling missile	<i>P C Rath and J Pal</i>	223

